| Electronic Acknowledgement Receipt   |                                      |  |  |  |
|--------------------------------------|--------------------------------------|--|--|--|
| EFS ID:                              | 7300897                              |  |  |  |
| Application Number:                  | 10597998                             |  |  |  |
| International Application Number:    |                                      |  |  |  |
| Confirmation Number:                 | 8940                                 |  |  |  |
| Title of Invention:                  | Desaturase Enzymes                   |  |  |  |
| First Named Inventor/Applicant Name: | lan Graham                           |  |  |  |
| Customer Number:                     | 69219                                |  |  |  |
| Filer:                               | Kening Li/Hanqin Lin                 |  |  |  |
| Filer Authorized By:                 | Kening Li                            |  |  |  |
| Attorney Docket Number:              | 2905493-004000                       |  |  |  |
| Receipt Date:                        | 29-MAR-2010                          |  |  |  |
| Filing Date:                         |                                      |  |  |  |
| Time Stamp:                          | 04:44:33                             |  |  |  |
| Application Type:                    | U.S. National Stage under 35 USC 371 |  |  |  |

# **Payment information:**

| Submitted with Payment | no |
|------------------------|----|
|------------------------|----|

## File Listing:

| 10597998RespondtoNoticeofIn                                                                           | Document<br>Number | Document Description                 | File Name                                              | File Size(Bytes)/<br>Message Digest  | Multi<br>Part /.zip | Pages<br>(if appl.) |
|-------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------|--------------------------------------------------------|--------------------------------------|---------------------|---------------------|
| 1 Response to Pre-Exam Sequence Notice completeReply.pdf 4a2f02d3cdbdf3e40aa25e14722f9578b374 5fdc no | 1                  | Response to Pre-Exam Sequence Notice | 10597998 Respond to Notice of In<br>complete Reply.pdf | 4a2f02d3cdbdf3e40aa25e14722f9578b374 |                     | 1                   |

## **Warnings:**

## Information:

| CRF Statement Paper and CRF are the      | 10597998Statement37CFR1_1_              | 16188                                                                                                                                                                                                                                   | no                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1                           |
|------------------------------------------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| same                                     | 81.pdf                                  | 8f408427f1ae95c9c2afc3fadf17d05731948<br>5e5                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                             |
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|                                          |                                         |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                             |
| Sequence Listing                         | 10597998Sequencel isting ndf            | 153661                                                                                                                                                                                                                                  | no                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 52                          |
|                                          | , , , , , , , , , , , , , , , , , , , , | f0b2df9b3cfeed84b152be8a967f5787a024<br>1647                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                             |
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| Preliminary Amendment                    | Preliminary Amendment Specifi           | 19588                                                                                                                                                                                                                                   | no                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3                           |
| ,                                        | cation for 10597998.pdf                 | 3f50fe96b625c2cbf55dd7d40b674702b02<br>aa5ac                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                             |
|                                          |                                         |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                             |
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| Specification                            |                                         | 146065                                                                                                                                                                                                                                  | no                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 24                          |
|                                          | SSpecificationCleanCopy.pdf             | 0fc017bf88288642c0fe673ded4979fc89bd<br>0d0b                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                             |
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| Specification                            | 10597998DESATURASEENZYME                | 147624                                                                                                                                                                                                                                  | no                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 24                          |
| Specification SSpecificationMarked-UpCop |                                         | 25a81a4eaa3478588990bbbbd2b4e3f68a7<br>02cf3                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                             |
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| Sequence Listing (Text File)             | 10597998SequenceListing.TXT             | 116549                                                                                                                                                                                                                                  | no                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0                           |
|                                          | , , , , , , , , , , , , , , , , , , , , |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                             |
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|                                          |                                         | Sequence Listing 10597998SequenceListing.pdf  Preliminary Amendment Preliminary Amendment Specification 10597998DESATURASEENZYME SSpecification Clean Copy.pdf  Specification 10597998DESATURASEENZYME SSpecification Marked-UpCopy.pdf | Sequence Listing   10597998SequenceListing.pdf   153661   10597998SequenceListing.pdf   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478   16478 | 10597998SequenceListing.pdf |

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

### New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

### National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

### New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.